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World Intellectual Property Organization (WIPO) - Geneva, Switzerland  
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PCT/GB 2005 / 0 0 0 6 0 6



INVESTOR IN PEOPLE

The Patent Office  
Concept House  
Cardiff Road  
Newport  
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NP10 8QQ

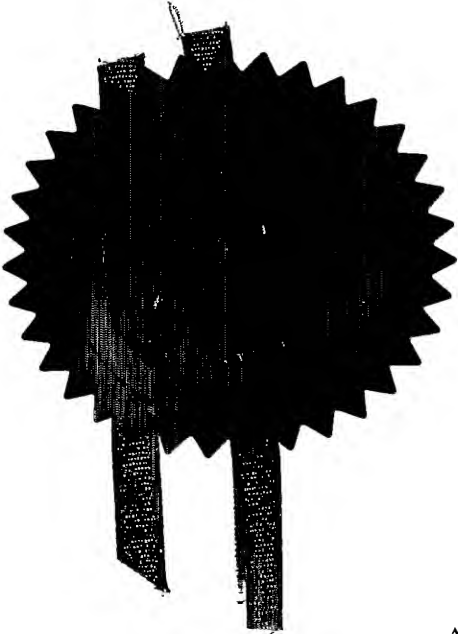
I, the undersigned, being an officer duly authorised in accordance with Section 74(1) and (4) of the Deregulation & Contracting Out Act 1994, to sign and issue certificates on behalf of the Comptroller-General, hereby certify that annexed hereto is a true copy of the documents as originally filed in connection with the patent application identified therein.

I also certify that the application is now proceeding in the name as identified herein.

In accordance with the Patents (Companies Re-registration) Rules 1982, if a company named in this certificate and any accompanying documents has re-registered under the Companies Act 1980 with the same name as that with which it was registered immediately before re-registration save for the substitution as, or inclusion as, the last part of the name of the words "public limited company" or their equivalents in Welsh, references to the name of the company in this certificate and any accompanying documents shall be treated as references to the name with which it is so re-registered.

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Dated

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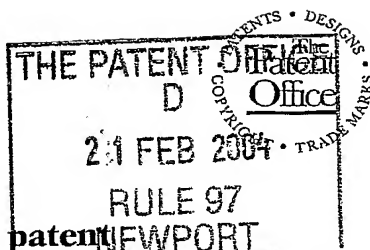
By virtue of a direction given under Section 30 of the Patents Act 1977, the application is proceeding in the name of:-

UNIVATE LIMITED  
Incorporated in the United Kingdom  
120 Sydney Street  
Glasgow  
G31 1JF  
United Kingdom  
ADP No. 08990012001



Patents Form 1/77

Patents Act 1977  
(Rule 16)



24FEB04 E875599-1 B21861  
P01/7700 0.00-0404009.3 ACCOUNT CHA

**Request for grant of a patent**

(See the notes on the back of this form. You can also get an explanatory leaflet from the Patent Office to help you fill in this form)

The Patent Office

Cardiff Road  
Newport  
South Wales  
NP10 8QQ

1. Your reference

PD/JH/S092

2. Patent application number

(The Patent Office will fill this part in)

0404009.3

21 FEB 2004

3. Full name, address and postcode of the or of each applicant (underline all surnames)

ALEXANDER CONNELL  
79 CALDERGLEN AVENUE

**SECTION 20 (1977 ACT) APPLICATION FILED**

Patents ADP number (if you know it)

GLASGOW

12/11/04 G72 9WP

If the applicant is a corporate body, give the country/state of its incorporation

8814287001

4. Title of the invention

HANDS FREE CHILD RESTRAINT MEANS

5. Name of your agent (if you have one)

"Address for service" in the United Kingdom to which all correspondence should be sent (including the postcode)

EAST END PARTNERSHIP LTD  
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MURCAT ROAD & CO  
SCOTLAND HOUSE

165-169 SCOTLAND STREET  
GLASGOW G5 8PL

G4 0LW

Patents ADP number (if you know it)

8814303001

6. Priority: Complete this section if you are declaring priority from one or more earlier patent applications, filed in the last 12 months.

Country

Priority application number  
(if you know it)

Date of filing  
(day / month / year)

7. Divisionals, etc: Complete this section only if this application is a divisional application or resulted from an entitlement dispute (see note f)

Number of earlier UK application

Date of filing  
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8. Is a Patents Form 7/77 (Statement of inventorship and of right to grant of a patent) required in support of this request?

Answer YES if:

- a) any applicant named in part 3 is not an inventor, or
- b) there is an inventor who is not named as an applicant, or
- c) any named applicant is a corporate body.

Otherwise answer NO (See note d)

## Patents Form 1/77

- Accompanying documents: A patent application must include a description of the invention. Not counting duplicates, please enter the number of pages of each item accompanying this form:

Continuation sheets of this form

Description 4

Claim(s) 0

Abstract 0

Drawing(s) 2

10. If you are also filing any of the following, state how many against each item.

Priority documents

Translations of priority documents

Statement of inventorship and right to grant of a patent (Patents Form 7/77)

Request for a preliminary examination and search (Patents Form 9/77)

Request for a substantive examination (Patents Form 10/77)

Any other documents (please specify)

11. I/We request the grant of a patent on the basis of this application.

Signature(s)

Date 20-02-04

12. Name, daytime telephone number and e-mail address, if any, of person to contact in the United Kingdom

JIM HOSSACK

0141-572-4952

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### **Hands Free Child Restraint Means**

The scope of this invention relates to hands free child restraint apparatus and more specifically and preferably a child restraint means that is suitable for safely restraining a child whilst walking under competent supervision.

The background to this invention requires one to look at numerous as well as various means that have been proposed and developed to safely restrain children whilst walking, these include upper body straps that attach via buckles and clasps to a tethered line, the disadvantage of such restraints has been found to be time consuming as each vertical upper body strap as well as each horizontal upper body strap has to be individually adjusted and when not in use such restraints can be problematic with regards to stowage especially when travelling.

Accidents are most common and continue to be a serious problem with active children when not competently supervised when out walking and quite often they are more than able to circumnavigate the security of currently available restraint means and lack of supervision usually occurs when parents are momentarily distracted.

The other most common time of distraction usually occurs during shopping trips when parents require to have hands free access to the stores goods or personal possession such as purses and handbags to enable payment to be made at point of purchase and because they have to momentarily let go of the strap reins so to speak, it is during these hand free moments that the child is unattended, which is when accidents and injuries are most likely to occur.



The present invention relates to a hands free child restraint and in particular a child restraint means that will restrain a child safely whilst walking and being supervised by a competent person and most preferably a child restraint means that will overcome the aforementioned disadvantages of previously known child restraint means by way of being hands free for competent person supervising the child when walking.

Accordingly, there is provided a hands free child restraint means for use in safely restraining a child whilst walking whilst being supervised by a competent person, the child restraint means will preferably comprise means for connecting the competent person to the child.

The invention will now be described by way of drawings as well as by way of description.

Referring to the drawings there is shown a hands free child restraint in accordance with the invention

Figure 1 is a perspective view of a competent person as well as a child illustrating the use of the invention restraining the child by means of a cable line which is attached to a belt which circumscribes the waist of the competent person and comprises a integral housing which accommodates when not on use a cable dispensing means as well as tension means for automatically retracting slack cable.

The cable dispensing means when in use is attached to the child by way of a belt which circumscribes the waist of the child and comprises a integral housing which

contains locking means for the cable dispensing means when connected to the child's belt.

Figure 2 is detail of Figure 1 illustrates how the cable line is attached to the competent person's belt as well as the child under restraints belt.

As shown in Figure 1 the present invention comprises a cable 1 attached to integral housing 2 which is attached to the competent persons belt 3 and interconnected to the integral housing 4 by way of cable 1.

The integral housing 4 is attached to the child's belt 5 by way of a locking means which is housed in integral housing 6

The cable dispensing and retracting means mechanism which is not shown in detail sketch or drawing form which is contained within integral housing 4 comprises a suitable spring mechanism mounted on a suitably matched rewind drum, with the spring mechanism suitably tensioned as to ensure that the cable 1 is dispensed or retracted and or rewound in a automatic controlled and un-entangled manner.

The locking means mechanism not shown in detail sketch or drawing form and which is contained in integral housing 6 comprises locking means to enable integral housing 4 to be interlocked mechanically to integral housing 6. which is attached to child's belt 5.

The relevant integral housing 2 is fastened to the competent persons belt 3 by way of passing the belt 3 through housing device attachment 7 which is attached to housing 2

by way of mechanical fastener.

The relevant integral housing 6 is fastened to the child's belt 5 by way of passing belt 5 through the adequate spacing that is provided at the rear of housing 6.

The belt length are preferably adjusted to suit both the competent person as well as the child, the belt length being adjusted by sliding portions of the belt into or out of the openings on the belt fasteners ( not shown)

The integral housing 4 when not in use is housed within integral housing 2 and held in place by the tensioned retracting mechanism of contained within housing 4.

It is understood that the invention is not limited to the specific details as herein described which are shown by way of example only and that within the scope of the invention various alterations and modifications may be made for example the various housings may be manufactured in a various materials.



Figure 1



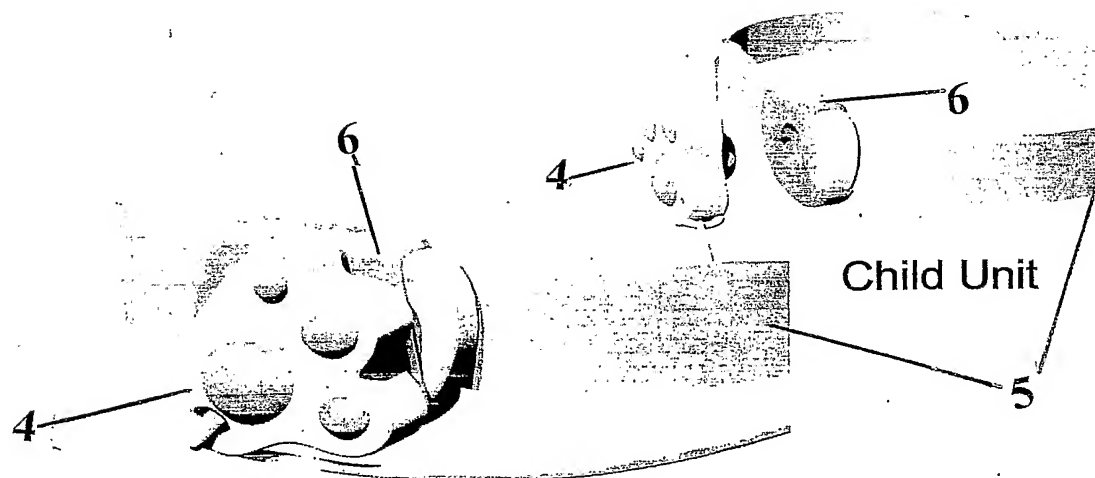
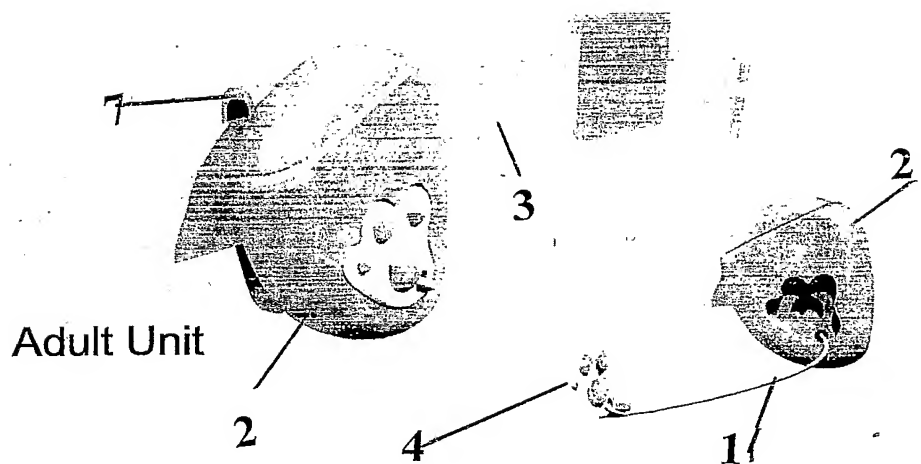


Figure 2

